



Installation Instructions Operating & Maintenance Manual Cistern Flush Valve – Model CFVWW

INFORMATION PROVIDED

Data Sheet – Cistern Flush Valve

FOREWORD

The new Water Regulations require a device to regulate the filling of an automatic flushing cistern for water and financial savings. The CFV detects when the facility is being used through a movement detector, waits a pre-set time before allowing the cistern to fill and flush the urinal. It is then ready for the next user.

The Water Watch CFVWW has ultra-low power consumption enabling the large battery (supplied) to last about 5 years – the LED light provides a visual warning of a failing battery. Alternatively the unit can be mains powered, settings are retained during power failure.

The cistern will flush 30 minutes (factory setting) after the first movement is detected. Flushing can be set to 1, 2, 3 or 4 times per hour. A “hygiene flush” occurs once every 24 hours (factory setting) - even when no movement is detected to reduce odour and replenish water in the waste trap.

INSTALLATION NOTES

The CFV can be programmed prior to installation to provide the optimum flushing profile. Work should be carried out by qualified personnel and should take less than an hour with little interruption to the facilities.

1. There should be one unit per cistern although the cistern can flush several bowls.
2. An AFL servicing valve fitted with 0.07lt/s strainer cartridge is recommended.
3. Isolate the water supply and thoroughly flush the pipes.
4. Fit the valve horizontally with the arrow pointing in the direction of flow.

Installing the Controller

1. Select a suitable position for the sensor to detect use.
2. Attach the base plate to the wall or ceiling.
3. Hook the Controller to the bottom edge.
4. Secure by raising the head of the internal screw with a screwdriver.
5. Install a cable between the valve and the Controller.
6. Leave a loop to allow the Controller to be dismantled.

OPERATION NOTES

1. Ensure the cistern is empty and the valve is closed.
2. Open the valve.
3. The cistern will start to fill.
4. After the initial flush, wait for it to finish then close the valve.
5. In addition to selecting the normal flush rate a simple switch enables owners to select a 12 or 24 hour hygiene cycle to ensure that the urinal is flushed at least once or twice a day.

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CHANGING THE FLUSH SETTINGS

Normally it will not be unnecessary to change the factory settings.

There are three links with three sets of pins located in the centre of the circuit board. The links are labelled 1-3 from right to left, and the pins are labelled 1-3 from left to right. The table below indicates the pin numbers and the link numbers required to change the settings

MAX. FLUSH RATE	LINK 1	LINK 2
1/HOUR	2-3	2-3
2/HOUR	1-2	2-3
3/HOUR	2-3	1-2
4/HOUR	1-2	1-2
HYGIENE PERIOD	LINK 3	
12 HOURS	1-2	
*24 HOURS	2-3	

*Factory Settings

MAINTENANCE

When the 'low battery' light flashes, operation will continue for several months to allow time for replacement.

